

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07334-004007	Application No. 09/454,854
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Andrew W. Shyjan	PTO S. 294 06/27/01
(37 CFR §1.98(b))		Filing Date December 7, 1999	Group Art Unit 1655

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AL						
	AM						
	AN						
	AO						
	AP						

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	GenBank Accession No. N42635, Hillier et al., January 25, 1996.
	AR	GenBank Accession No. N32151, Hillier et al., January 10, 1996.
	AS	GenBank Accession No. N24756, Hillier et al., December 28, 1995.
	AT	GenBank Accession No. N24164, Hillier et al., December 28, 1995.
	AU	GenBank Accession No. H98055, Hillier et al., December 12, 1995.
	AV	GenBank Accession No. N22835, Hillier et al., December 28, 1995.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Andrew W. Shyjan			U.S. PTO 09/454,854 06/07/97 C97-09-092942
(37 CFR §1.98(b))				Filing Date December 7, 1999	Group Art Unit 1655

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,487,985	1/30/96	McCelland et al.	435	91.2	
	AB	5,565,340	10/15/96	Chenchik et al.	435	91.2	
	AC	5,674,739	10/7/97	Shyjan	435	252.3	
	AD	5,633,161	5/27/97	Shyjan	435	325	
	AE	5,710,137	1/20/98	Fisher	514	44	
	AF	5,837,845	11/17/98	Hosokawa et al.	536	23.53	
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AL	WO 93/22424	11/11/93	PCT			
	AM	WO 86/03226	6/5/86	PCT			
	AN	WO 92/21781	12/10/92	PCT			
	AO	WO 95/05470	2/23/95	PCT			
	AP	WO 92/15602	9/17/92	PCT			
	AQ	WO 94/21115	9/29/94	PCT			

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AR	Barton et al., "Protein Sequence Alignment and Database Scanning In Protein Structure Prediction" IRL Press at Oxford University, pgs. 31-63, 1996
	AS	Boeringer Mannheim Biochemicals, 1991 Catalog.
	AT	Bowie et al., "Deciphering the Message in Protein Sequences; Tolerance to Amino Acid Substitutions" Science 247:1306, 1990.
	AU	Burgess et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities..." J. Cell. Biol. 111:2129, 1990.

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Andrew W. Shyjan		U.S. S. 092942 06/27/01
		Filing Date December 7, 1999	Group Art Unit 1655	10973

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AV	George et al., "Current Methods in Sequence Comparison and Analysis In Macromolecular Sequencing and Synthesis, Selected Methods and Applications, pgs. 127-149, 1988.
	AW	Fradet et al., "Cell Surface of Human Bladder Cancer Defined by Mouse Monoclonal Antibodies" Proc. Nat'l. Acad. Sci. USA 81:224, 1984.
	AX	Harris et al., "Seminal Vesicle Secretion IV Gene; Allelic Difference Due to a Series of..." Proc. Nat'l. Acad. Sci. USA 80:6460, 1983.
	AY	Hillier et al., Accession No. N24756, December 28, 1995.
	AZ	Kahana et al., "Nucleotide Sequence of Murine Ornithine Decarboxylase mRNA" Proc. Nat'l. Acad. Sci. USA 82:1673, 1985.
	AAA	Lazar et al. "Transforming Growth Factor alpha: Mutation of Aspartic Acid 47 and Leucine.." Mol. Cell. Biol. 8:1247, 1988.
	ABB	Lewis et al., "The Sequence of the Kluyveromyces Lactis BiP Gene" Nucl. Acids. Res. 18:6438, 1990.
	ACC	Rieger et al., "Glossary of Genetics and Cytogenetics, Classical and Molecular" Springer-Verlag, Berlin, 4 <sup>th</sup> Edition, 1976.
	ADD	Schwartz et al., "A Superactive Insulin: [B10-Aspartic Acid] Insulin(Human)" Proc. Nat'l. Acad. Sci. USA 84:6408, 1987.
	AEE	Stratogene Catalog, page 39, 1988.
	AFF	Wang et al., "Identification and Molecular Cloning of Tactile" J. of Immun. 148(8):2600-2608, 1992.
	AGG	Zubay, G., Biochemistry, pg. 912, Addison Wesley Publishing Co., Reading, MA, 1984.

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SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. GOVERNMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
07334/004005PTO  
09/892942SERIAL NO.  
09/181,030INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT  
Andrew W. ShyjanFILING DATE  
October 27, 1998U.S.  
S/ 09/892942  
06/27/00

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5	2	6	2	3	2	1	11/16/93	Livingston et al.		435	240.2	
AB	5	4	5	7	0	4	9	10/10/95	Giordano		435	252.33	
AC	5	4	7	0	9	7	0	11/28/95	Sager et al.		536	23.5	
AD	5	4	9	1	0	6	4	02/13/96	Lichy et al.		435	6	
AE	5	4	9	6	7	3	1	03/05/96	Xu et al.		435	320.1	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
						YES
AF	WO 96/27603		PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AG	Duncan et al. "Fomy030 expression in melanocytic proliferations" Melanoma Res. 7(1):S7, 1997.		
AH	Fidler, I.J., 1973, "Selection of Successive Tumor Lines for Metastasis," Nature New Biol. 242:148-149.		
AI	Fodde, R., et al., 1994, "A targeted chain-termination mutation in the mouse ADC gene results in multiple intestinal tumors," Proc. Natl. Acad. Sci. USA 91:8969-8973.		
AJ	Folkman, J. and Klagsburn, M., 1987, "Angiogenic Factors," Science 235:442.		
AK	Hiller et al., "AC No. N42635. Homosapiens cDNA clone 270851" EMBL Sequence Database, Heidelberg, Germany		
	January 28, 1996.		
AL	Hiller et al., "AC No. N42983. Homosapiens cDNA clone 270601" EMBL Sequence Database, Heidelberg, Germany,		
	January 28, 1996.		

EXAMINER	DATE CONSIDERED

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SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 07334/004005	SERIAL NO. 09/181,030
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Andrew W. Shyjan	PTO S-42 092881 06/27/81
(37 CFR 1.98(b))		FILING DATE October 27, 1989	GROUP

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	BA	Hodgkinson, C.A., et al., 1993, "Mutations at the Mouse Microphthalmia Locus Are Associated with Defects in a Gene Encoding a Novel Basic-Helix-Loop-Helix-Zipper Protein," <i>Cell</i> <u>74</u> :395-404.
	BB	Karmali, R.A., et al., 1993, "Prostaglandins in breast cancer: Relationship to disease stage and hormone status," <i>Br. J. Cancer</i> <u>68</u> :689-696.
	BC	Karmali, R.A., et al., 1987, "The Effects of Dietary w-3 Fatty Acids on the DU-145 Transplantable Human Prostatic Tumor," <i>Anticancer Res.</i> <u>7</u> :1173-1180.
	BD	Kozlowski, J.M., et al., 1984, "Metastatic Behavior of Human Tumor Cell Lines Grown in the Nude Mouse," <i>Cancer Research</i> <u>44</u> :3522-3529.
	BE	Leder, A., et al., 1986, "Consequences of widespread deregulation of the C-MYC gene in transgenic mice: multiple neoplasms and normal development," <i>Cell</i> <u>45</u> :485-495.
	BF	Leone, A., et al., 1991, "Reduced Tumor Incidence, Metastatic Potential, and Cytokine Responsiveness of nm23-Transfected Melanoma Cells," <i>65</i> :25-35.
	BG	Liotta, L.A., et al., 1991, "Cancer metastasis and angiogenesis: an imbalance of positive and negative regulation," <i>Cell</i> <u>64</u> :327.
4.	BH	Mintz, B., and Silvers, W.K., 1993, "Transgenic mouse model of malignant skin melanoma," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :8817-8821.
	BI	Morikawa K., et al., 1988, "In Vivo Selection of Highly Metastatic Cells from Surgical Specimens of Distant Primary Human Colon Carcinomas Implanted into Nude Mice," <i>Cancer Research</i> <u>48</u> :1943-1948.
	BJ	Qian, F., et al., 1994, "Expression of the Integrin $\alpha 4\beta 1$ on Melanoma Cells Can Inhibit the Invasive Stage of Metastasis Formation," <i>Cell</i> <u>77</u> :335-347.
	BK	Rose, D.P., et al., 1993, "Effects of Dietary Omega-3 Fatty Acids on Human Breast Cancer Growth and Metastases in Nude Mice," <i>J. Natl. Cancer Inst.</i> <u>85</u> :1743-1747.
	BL	Schrier, P.I., et al., 1983, "Expression of Class I major histocompatibility antigens switched off by highly oncogenic adenovirus 12 in transformed rat cells," <i>Nature</i> <u>305</u> :771.
	BM	Steeg, P.S., et al., 1988, "Evidence for a Novel Gene Associated With Low Tumor Metastatic Potential," <i>J. Natl. Cancer Inst.</i> <u>80</u> :200-204.

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SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. GOVERNMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 07334/004005	SERIAL NO. 09/181,000
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))		APPLICANT Andrew W. Shyjan	
		FILING DATE October 27, 1998	GROUP

10973 U.S. P.T.O.  
09/892942  
06/27/01

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

CA	Tanaka et al., "Construction of a Human Cytochrome c Gene and Its Functional Expression in <i>Saccharomyces cerevisiae</i> ", <i>J. Biochem.</i> , <u>103</u> :954-961 (1988).
CB	Van der Bruggen, P., et al., 1991, "A Gene Encoding an Antigen Recognized by Cytolytic T Lymphocytes on a Human Melanoma," <i>Science</i> <u>254</u> :1643-1667.
CC	Vogelstein, B., and Kinzler, K.W., 1993, "The Multistep Nature of Cancer," <i>Trends Genet.</i> <u>9</u> :138-141.
CD	Watts C.K., et al., 1994, "Antiestrogen regulation of cell cycle progression and cyclin D1 gene expression in MCF-7 human breast cancer cells," <i>Breast Cancer Res. Treat.</i> <u>31</u> :95-105.
CE	Wilson et al., "2.2 Mb of contiguous nucleotide sequence from chromosome III of <i>C. elegans</i> ," <i>Nature</i> , <u>368</u> :32-38 (1994).
CF	Zou, Z., et al., 1994, "Maspin, A Serpin with Tumor-Suppressing Activity in Human Mammary Epithelial Cells, <i>Science</i> <u>263</u> :526-529.

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